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ABSTRACT

A review of the state requirements for engineering education reveals that the laws vary a great deal from state to state. Many laws contain special peculiarities that reflect various opinions about what constitutes the appropriate credentials for registration and reflect differing views concerning the methods as well as the importance of examinations. Therefore, a state-by-state summary of the significant portions of the registration laws is provided. These requirements are listed under the following categories (when applicable) for each state: (1) requirements for certification as an engineer-in-training (EII) or engineer-intern (EI); (2) requirements for registration as a professional engineer (PE); (3) requirements and methods for registration under a "long-established practice (LEP) clause"; and (4) requirements for registration under an "eminence" (E) clause. Some general factors to keep in mind when using the summary are included. (JN)

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Summary of the Requirements for Engineering Registration

SE 043 775

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A review of the state requirements for engineering registration reveals that the laws vary a great deal from state to state. Many laws contain special peculiarities that reflect various options about what constitutes the appropriate credentials for registration and reflect differing views concerning the methods as well as the importance of examinations. The following is a state-by-state summary of the significant portions of the registration laws. When referring to the summary, the reader should keep the following factors in mind:

- As a general rule every state permits an applicant who graduates from a four-year approved* engineering program, who has four years additional engineering experience acceptable to the state board (in California and the Virgin Islands, two years; in Hawaii, three years), and who successfully completes both the eight-hour fundamentals in engineering and the eight-hour principles and practice of engineering examinations prepared by the National Council of Engineering Examiners (NCEE) to be registered as a professional engineer.
- A few states permit applicants who have a four-year engineering degree, a four-year approved engineering technology degree, a four-year engineering technology degree, a four-year engineering-related or related-science degree, or experience with no degree and who successfully completes both the eight-hour fundamentals in engineering and the eight-hour principles and practice of engineering examinations prepared by the NCEE to be registered as a professional engineer.
- Only Illinois does not presently use the examinations prepared by NCEE. With that exception, the terms "examinations," "written examinations," "first and second division of the examination," "part one and part two of the examination," "evidence of competence," etc., refer to the fundamentals and the principles and practice of engineering examinations prepared by NCEE.

*The state boards basically rely upon the engineering programs accredited by the Accreditation Board for Engineering & Technology (ABET), but may approve others as having equivalent standing.

- Almost all states now permit an engineering graduate to take the first part of the examination covering the fundamentals of engineering at the time of or prior to graduation from an engineering curriculum approved by the state board. Passage of this examination qualifies the candidate as an Engineer-in-Training (EIT) or an Engineering Intern (EI).
- The terms "approved" or "accredited" refer to programs found by either ABET or the state board as being of satisfactory standing. Some statutes omit the terms "approved" or "accredited" entirely.
- The term "science" refers to study in a science related to engineering.
- The term "experience" means engineering work of a grade and character satisfactory to the state board and indicating the applicant is competent to practice engineering.
- The term "responsible charge" usually means direct control and personal supervision of engineering work.
- It should be noted that although an applicant may believe his or her work background qualifies as "experience" under the statute, the determination as to whether it is or is not acceptable is within the sole discretion of the state board. The same may be said for "responsible charge."
- Many states treat the teaching of engineering subjects as acceptable engineering experience. A few states view engineering education short of an approved degree as acceptable experience.
- Undergraduate and graduate engineering education may be credited as engineering experience, but usually with a time limitation for the number of years which may be accepted in lieu of actual experience.
- There is frequently a confusion between registration under a state's "long-established-practice clause," and registration by "eminence." Many jurisdictions permit registration under a long-established-practice clause; only Delaware, the District of Columbia, New Hampshire, New York, Puerto Rico, and Utah retain an eminence provision. Many states have clauses that cannot be characterized as either. Whether registered by long-established-practice, eminence, or any other

provision, an engineer is registered for all purposes and is as legally able to practice engineering as all other registered engineers in the respective state.

- Unless otherwise noted, a four-year engineering degree is not a requirement for registration under a long-established-practice clause or an eminence clause.
- Most state laws authorize registration on the basis of comity without further examination for those registered in other states, provided that the original registration was obtained under qualifications comparable to those of the state in which comity is sought. In practice, this usually means that if the state in which application is made requires an examination, it will not grant registration if the registration in the other state was granted without examination.
- The following information is limited to engineering registration and does not cover the practice of land surveying. Most state laws contain separate and particular provisions relating to the licensing of professional land surveyors. Those individuals interested should consult the state laws in question to determine the requirements for certification as a professional land surveyor.
- State boards of registration are empowered by state legislatures to interpret the language in the statutes and to promulgate rules to further define the statutes. Many state registration boards have interpreted the statutes to clarify them and have promulgated rules to streamline the registration process. The applicant who is considering registration should contact the state registration board in the state in question for the most definitive and detailed description of the state's requirements as defined by the state registration board.
- In using the state-by-state survey, the following abbreviations should be kept in mind: EIT or EI refers to the requirements for certification as an engineer-in-training or engineer-intern; PE refers to the requirements for registration as a professional engineer; LEP refers to the requirements and methods for registration under a long-established-practice clause; E refers to the requirements and methods for registration under an eminence clause.

ALABAMA

EIT: —4-year approved engineering degree (or 4 years of experience) and passage of a written fundamentals of engineering examination; *or*

—4-year engineering degree and 2 years of experience and passage of the fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written fundamentals and a principles and practice of engineering examination; *or*

—8 years of experience and passage of a written fundamentals and a principles and practice of engineering examination.

ALASKA

EIT: —4-year approved engineering degree (or 4 years of experience) and passage of a fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience (of which 2 years have been in responsible charge), and passage of a fundamentals and a professional engineering examination; *or*

—8 years of experience (of which 2 years have been in responsible charge) and passage of a fundamentals and a professional engineering examination.

LEP: —20 years of experience (of which 2 years have been in responsible charge) and passage of a professional engineering examination.

ARIZONA

EIT: —4-year approved engineering degree (or 4 years of experience) and passage of a basic engineering examination.

PE: —4-year approved engineering degree and 4 years of experience (or 8 years of experience), and passage of the fundamentals and principles and practice of engineering examination. Should the applicant fail to satisfy the Board that he or she is qualified, the applicant will be required to submit additional data or may be required to submit to an oral or written examination.

LEP: —4-year approved degree, 12 years of experience, and passage of the principles and practice of engineering examination.

ARKANSAS

EIT: —4-year approved engineering degree (or 4 years of experience) and passage of an examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of an examination; *or*

—8 years of experience and passage of an examination.

CALIFORNIA

EIT: —4-year approved engineering degree (or 4 years of

experience) and passage of the fundamentals of engineering examination.

PE: —4-year approved engineering degree, 2 years of experience, and passage of a fundamentals and a principles and practice of engineering examination; *or*
—6 years of experience and passage of a fundamentals and a principles and practice of engineering examination.

COLORADO

EIT: —4-year approved engineering degree (or 6 years of experience) and passage of a fundamentals of engineering examination; *or*
—4-year approved engineering technology degree, 6 years of experience and passage of the fundamentals of engineering examination; *or*
—4-year engineering degree (or related science degree), 10 years of experience and passage of the fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a fundamentals and a principles and practice of engineering examination; *or*
—4-year engineering degree (or related science degree), 8 years of experience, and passage of the fundamentals and the principles and practice of engineering examination; *or*
—8 years of experience and passage of a fundamentals and a principles and practice of engineering examination; *or*
—4-year engineering degree, 16 years of experience (of which 10 years have been in responsible charge), and passage of a principles and practice of engineering examination.

LEP: —10 years of experience indicating professional competence and passage of the fundamentals and the principles and practice of engineering examination.

CONNECTICUT

EIT: —4-year approved engineering degree (or 6 years of experience) and passage of part 1 of the examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of parts 1 and 2 of the examination; *or*
—10 years of experience (part of which indicates knowledge equivalent to a 4-year-approved engineering degree) and passage of parts 1 and 2 of the examination.

LEP: —20 years of experience and passage of parts 1 and 2 of the examination (part 1 may be waived by the Board); *or*
—4-year approved engineering degree, 8 years of experience, and passage of parts 1 and 2 of the examination (part 1 may be waived by the Board).

DELAWARE

EIT: —4-year approved engineering, engineering technology, or science degree, and passage of a fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written examination; *or*
—4-year approved engineering technology (or science) degree, 8 years of experience, and passage of a written examination.

LEP: —20 years of experience, 45 years of age, and passage of a written examination or examinations.

E: —20 years of outstanding achievement and widespread recognition indicating competence as a professional engineer, 45 years of age, and satisfactory completion of a personal interview.

DISTRICT OF COLUMBIA

EIT: —4-year engineering degree (or 8 years combined education, training, and experience), and passage of a written or written and oral examination.

PE: —4-year engineering degree, 4 years of experience, and passage of a written or written and oral examination; *or*
—12 years of combined education and experience, and passage of a written or written and oral examination.

E: —12 years of experience, of which 5 have been in responsible charge, and has recognized and established standing.

FLORIDA

EIT: —4-year approved engineering degree and passage of a fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of an examination; *or*
—4-year related science degree, 6 years of experience and passage of an examination; *or*
—10 years of experience and passage of an examination (expires 1/1/84).

GEORGIA

EIT: —4-year engineering degree (or approved engineering technology degree, or approved science degree, or 8 years of experience) and passage of a written fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a fundamentals and a principles and practice of engineering examination; *or*
—4-year engineering degree (or 4-year approved engineering technology degree, or 4-year approved science degree, or 8 years of experience), 7 additional years of experience and passage of a fundamentals and a principles and practice of engineering examination.

LEP: —4-year engineering degree (or science degree), 16 years of experience (of which 8 have been in re-

sponsible charge), and passage of a principles and practice of engineering examination.

GUAM

EIT: —4-year approved engineering degree and passage of an examination; *or*
—6 years of experience and passage of an examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written examination; *or*
—10 years of experience and passage of a written examination.

LEP: —4-year science degree, 20 years of experience (of which 10 have been in responsible charge), and passage of an oral, written, or oral and written examination.

HAWAII

EIT: —No provision for EIT.

PE: —4-year approved engineering degree, 3 years of experience, and passage of a written, oral, or written and oral examination; *or*
—12 years of experience and passage of a written, oral, or written and oral examination.

IDAHO

EIT: —4-year approved engineering degree and passage of an examination; *or*
—Evidence of knowledge approximating that attained through graduation from a 4-year approved engineering curriculum, 4 years of experience to indicate applicant is competent to enroll as an EIT, and passage of an examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of an examination; *or*
—Evidence of knowledge approximating that attained through graduation from a 4-year approved engineering curriculum, 8 years of experience, and passage of an examination.

ILLINOIS

EIT: —4-year approved engineering degree and passage of a written fundamentals of engineering examination; *or*
—4-year engineering degree (or 4-year science degree), 4 years of experience, and passage of a written fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a fundamentals and a principles and practice of engineering examination; *or*
—4-year engineering degree (or 4-year science degree), 8 years of experience, and passage of a fundamentals and a principles and practice of engineering examination.

INDIANA

EIT: —4-year approved engineering degree and passage of part 1 of the examination; *or*

—4 years of engineering education and experience indicating knowledge approximating that acquired through graduation from a 4-year approved engineering program, and passage of part 1 of the examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of parts 1 and 2 of the examination; *or*

—8 years of combined education and experience and passage of parts 1 and 2 of the examination.

IOWA

EIT: —4-year approved engineering degree (or 8 years of experience), and passage of a written, oral, or written and oral examination in the fundamentals of engineering.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written, oral, or written and oral examination in the fundamentals and the professional practice of engineering; *or*

—12 years of experience and passage of a written, oral, or written and oral examination in the fundamentals and the professional practice of engineering.

LEP: —4-year engineering degree, 25 years of experience, and passage of the examination in the professional practice of engineering.

KANSAS

EIT: —4-year approved engineering degree and passage of a fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, passage of a written fundamentals of engineering examination, and a professional examination; *or*

—8 years of experience, passage of a written fundamentals of engineering examination, and a professional examination.

LEP: —4-year approved engineering degree, 12 years of experience, passage of an oral or written examination, and passage of a professional examination. Any applicant qualifying under this section and demonstrating 25 years of experience will be given the option of an oral examination in lieu of a written examination.

KENTUCKY

EIT: —4-year approved engineering degree and passage of a written examination in the fundamentals of engineering.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written examination in

the fundamentals and the principles and practice of engineering; *or*

—8 years of experience and passage of a written or written and oral examination designed to show knowledge approximating that attained through graduation from a 4-year approved engineering curriculum. Applications will be accepted under this provision until July 1, 1983. After that date a 4-year approved engineering degree will be required for PE registration.

LOUISIANA

EIT: —4-year approved engineering degree (or 4-year engineering degree and approved masters degree, or 4-year engineering degree or related science degree and 4 years of experience), and passage of the fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, passage of a written fundamentals and principles and practice of engineering examination; *or*

—4-year engineering degree (or 4-year related science degree, or 4-year engineering technology degree), 8 years of experience, and passage of the fundamentals and the principles and practice of engineering examination.

***LEP:**—20 years of experience (of which 12 years have been in responsible charge) and passage of the principles and practice of engineering examination.

MAINE

EIT: —4-year approved engineering degree and passage of a fundamentals of engineering examination; *or*

—8 years of experience and passage of a fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a fundamentals and a principles and practice of engineering examination; *or*

—12 years of experience and passage of a fundamentals and a principles and practice of engineering examination; *or*

—15 years of experience (of which 10 have been in responsible charge) and passage of an oral or written principles and practice of engineering examination.

MARYLAND

EIT: —4-year approved engineering degree and passage of a fundamentals of engineering examination; *or*

—4-year engineering degree, 4 years of experience, and passage of a fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of ex-

*Louisiana LEP provision expires 12/31/84

perience, and passage of a fundamentals and a principles and practice of engineering examination; *or*
—4-year engineering degree, 8 years of experience, and passage of a fundamentals and a principles and practice of engineering examination; *or*
—12 years of experience (of which 5 years have been in responsible charge) and passage of a principles and practice of engineering examination.

MASSACHUSETTS

EIT: —4-year approved engineering degree and passage of a written fundamentals of engineering examination; *or*
—4-year engineering or science degree, 4 years of experience, and passage of a written fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written fundamentals and principles and practice of engineering examination; *or*
—4-year engineering or science degree, 8 years of experience, and passage of a written and oral fundamentals and principles and practice of engineering examination; *or*
—12 years of experience (of which 5 years have been in responsible charge) and passage of a written and oral fundamentals and principles and practice of engineering examination; *or*
—20 years of experience (of which 10 have been in responsible charge) and passage of an oral or written principles and practice of engineering examination.

MICHIGAN

EIT: —No provision for EIT.

PE: —4-year approved degree in engineering, 4 years of experience, and passage of an engineering theory and an engineering practices examination; *or*
—4-year approved engineering degree, 4 years of experience, and passage of an engineering theory and an engineering practices examination.

MINNESOTA

EIT: —4-year approved engineering degree and passage of a fundamentals of engineering examination.

PE: —4-year approved engineering degree and 4 years of experience and passage of a fundamentals and the principles and practice of engineering examination.

MISSISSIPPI

EIT: —4-year approved engineering degree (or 4 years of experience) and passage of a written examination in basic engineering.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written or written and oral examination; *or*
—8 years of experience and passage of a written or written and oral examination.

MISSOURI

EIT: —4-year approved engineering degree and passage of part 1 of the engineering examination.

PE: —4-year approved engineering degree* and 4 years of experience which indicates that the applicant is qualified to be placed in responsible charge of engineering work and passage of the fundamentals and the principles and practice of engineering examination.

LEP: —4-year approved engineering or science degree, 50 years of age, 20 years of experience, and passage of an oral examination; *or*
—50 years of age, 20 years of experience, and passage of a written examination.

MONTANA

EIT: —4-year approved engineering degree and passage of a written examination in the fundamentals of engineering; *or*
—4-year engineering degree or science degree, 4 years of experience, and passage of a fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a fundamentals and principles and practice of engineering examination; *or*
—4-year engineering or science degree, 8 years of experience, and passage of a fundamentals and a principles and practice of engineering examination; *or*
—4-year engineering degree (or 4-year science degree), 20 years of experience of which 10 have been in responsible charge, and passage of a principles and practice of engineering examination.

NEBRASKA

EIT: —4-year engineering degree (or 4 years of experience) and passage of a fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written examination in the fundamentals and the professional practice of engineering; *or*
—5-year approved engineering degree, 3 years of experience, and passage of a written examination in the fundamentals and the professional practice of engineering; *or*
—8 years of experience and passage of a written

*Missouri allows only one year of experience credit for all postgraduate work.

examination in the fundamentals and the professional practice of engineering.

NEVADA

EIT: —4-year approved engineering degree and passage of an oral or written examination; *or*
—4 years of experience and passage of part 1 of the examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of parts 1 and 2 of the examination; *or*
—4-year approved engineering degree, 8 years of experience, and passage of part 2 of the examination; *or*
—8 years of experience and passage of parts 1 and 2 of the examination; *or*
—4-year related science degree, 6 years of experience, and passage of part 1 and 2 of the examination.

NEW HAMPSHIRE

EIT: —4-year approved engineering degree and passage of a fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written or written and oral examination in the fundamentals of engineering and a written professional practice examination; *or*
—8 years of experience and passage of a written examination designed to show knowledge approximating that attained through graduation from a 4-year approved engineering program and passage of a written professional practice examination.

LEP: —40 years of age, 15 years of experience (of which 5 have been in responsible charge), and satisfaction of the Board that applicant is qualified. Should the applicant fail to satisfy the Board that he or she is qualified, the applicant would be required to successfully complete an oral or written or oral and written examination.

E: —33 years of age, 10 years of experience, and a record of outstanding qualifications.

NEW JERSEY

EIT: —4-year approved engineering degree and passage of a written fundamentals of engineering examination; *or*
—4-year science degree, 2 years of experience, and passage of a written fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written or written and oral examination; *or*
—4-year approved science degree, 6 years of experi-

ence, and passage of all parts of a written or written and oral examination; *or*

—4-year approved engineering degree (or 4-year approved science degree), 15 years of experience, and passage of a specialized portion of a written or written and oral examination.

NEW MEXICO

EIT: —4-year approved engineering degree and passage of a written fundamentals of engineering examination; *or*

—4-year engineering degree (or 4-year science degree), 4 years of experience, and passage of a written fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written examination in the fundamentals and the principles and practice of engineering; *or*

—4-year engineering degree (or 4-year science degree), 8 years of experience, and passage of a written examination in the fundamentals and the principles and practice of engineering; *or*

—4-year engineering degree (or 4-year science degree), 20 years of experience (of which 10 years have been in responsible charge), and passage of a written examination in the principles and practice of engineering.

NEW YORK

EIT: —4-year approved engineering degree (or 12 years of experience) and passage of an EIT examination.

PE: —4-year approved engineering degree and 4 years of experience, (or 12 years of experience), and passage of an examination.

E: —15 years of experience and possession of established and recognized standing in the engineering profession.*

NORTH CAROLINA

EIT: —4-year approved engineering degree (or 4-year approved science degree) and passage of a written fundamentals of engineering examination; *or*

—4-year engineering degree (or 4-year science degree or equivalent education and experience), 4 additional years of experience, and passage of a written fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written fundamentals

*While the NY eminence still exists in law, the statute establishes that it may be administered "on recommendation of the board"; however, since January 1979 the Board has followed a policy requiring satisfaction of the examination requirement by all licensure applicants. Qualification under the "eminence clause" is therefore no longer available for licensure in NY.

and a principles and practice of engineering examination; *or*

—EIT certificate, 4 years of experience, and passage of a principles and practice of engineering examination; *or*

—4-year engineering degree (or 4-year science degree or equivalent education and experience), 8 additional years of experience, and passage of a written fundamentals and principles and practice of engineering examination.

LEP: —20 years of experience and passage of a written principles and practice of engineering examination.

NORTH DAKOTA

EIT: —4-year approved engineering degree and passage of a written fundamentals of engineering examination; *or*

—4-year engineering degree, 4 years of experience, and passage of a written fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, an EIT certificate, and passage of a principles and practice of engineering examination; *or*

—4-year engineering degree (or 4-year science degree), 8 years of experience, and passage of a written fundamentals and a principles and practice of engineering examination; *or*

—20 years of experience (of which 10 years have been in responsible charge) and passage of a written principles and practice of engineering examination; *or*

—4 years of teaching in an approved engineering program, 2 years of experience, and passage of a written principles and practice of engineering examination.

OHIO

EIT: —4-year approved engineering degree and passage of part 1 of the examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written or written and oral examination; *or*

—4-year engineering degree (or 4-year science degree), 8 years of experience, and passage of a written or written and oral examination.

LEP: —Recognized standing, 4-year approved engineering or physical science degree, 45 years of age, 20 years of experience (of which 10 years have been in responsible charge), and passage of a special written or written and oral examination.

OKLAHOMA

EI: —4-year approved engineering degree and passage of

a written fundamentals of engineering examination; *or*

—4-year engineering degree (or 4-year related science degree), 1 year of experience, and passage of a written fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written fundamentals and principles and practice of engineering examination; *or*

—4-year engineering degree (or 4-year related science degree), 6 years of experience, and passage of a written fundamentals and a principles and practice of engineering examination.

LEP: —12 years of experience of which 8 have been in responsible charge and passage of a principles and practice of engineering examination.

OREGON

EIT: —4-year approved engineering degree (or 4 years of experience) and passage of a written or written and oral examination devoted to basic engineering subjects.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written or written and oral examination (one part devoted to basic engineering, the second part devoted to practical engineering problems); *or*

—8 years of experience and passage of a written or written and oral examination (one part devoted to basic engineering subjects and the second part devoted to practical engineering problems); *or*

—Certification as an EIT after having met the requirements as designated above, 4 years of experience, and passage of a written or written and oral examination devoted to practical engineering problems.

PENNSYLVANIA

EIT: —4-year approved engineering degree (or 4 years of experience evidencing knowledge approximating that attained through graduation from a 4-year approved engineering degree program) and passage of a fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a fundamentals and principles and practice of engineering examination; *or*

—12 years of experience of which 8 have been under supervision of a professional engineer and passage of a fundamentals and principles and practice of engineering examination.

PUERTO RICO

EIT: —4-year approved engineering degree and passage of a written fundamentals and principles and practice of engineering examination.

PE: —4-year approved engineering degree, passage of a fundamentals and a principles and practice of engineering examination and 4 years of experience.

LEP: —4-year approved engineering degree, 20 years of experience and passage of a special fundamentals and professional engineering examination.

E: —International renown for achievements in engineering.

RHODE ISLAND

EIT: —4-year approved engineering degree (or 8 years of experience) and passage of a written fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written fundamentals and principles and practice of engineering examination; *or*

—4-year approved engineering degree, 12 years of experience, and passage of a written principles and practice of engineering examination; *or*

—12 years of experience and passage of a written fundamentals and principles and practice of engineering examination.

LEP: —20 years of experience (of which 10 have been in responsible charge) and passage of a written principles and practice of engineering examination.

SOUTH CAROLINA

EIT: —4-year approved engineering degree and passage of a written examination; *or*

—4-year approved engineering degree (or 4-year science degree), 4 years of experience, passage of written examinations designed to show knowledge approximating that attained through graduation in an approved engineering program, and passage of an additional written examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of an oral or written examination; *or*

—4-year approved engineering degree (or 4-year science degree), 8 years of experience, and passage of a written or written and oral examination.

SOUTH DAKOTA

EIT: —4-year accredited engineering degree and passage of a written fundamentals of engineering examination.

PE: —4-year accredited engineering degree, 4 years of experience, and passage of a written or written and

oral fundamentals and principles and practice of engineering examination; *or*

—5-year accredited engineering degree, 3 years of experience, and passage of a written or written and oral fundamentals and principles and practice of engineering examination; *or*

—12 years of experience and passage of the written or written and oral fundamentals and principles and practice of engineering examination; *or*

—M.S. or Ph.D. from an accredited engineering program, 3 years of experience, and passage of a written or written and oral fundamentals and principles and practice of engineering examination; *or*

—4-year accredited engineering technology degree, 5 years of experience, and passage of a written or written and oral fundamentals and principles and practice of engineering examination; *or*

—4-year engineering degree (or 4-year engineering technology degree), 6 years of experience, and passage of a written or written and oral fundamentals and principles and practice of engineering examination; *or*

—2-year vocational, trade, or correspondence program certificate in engineering, 9 years of experience, and passage of a written or written and oral fundamentals and principles and practice of engineering examination.

LEP: —4-year accredited engineering degree, 20 years of experience, and passage of a written or written and oral principles and practice of engineering examination.

TENNESSEE

EIT: —4-year approved engineering degree and passage of a written fundamentals of engineering examination; *or*

—4-year approved science degree, 4 years of experience, and passage of a written fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written fundamentals and principles and practice of engineering examination; *or*

—4-year approved science degree, 8 years of experience, and passage of a written fundamentals and principles of engineering examination.

LEP: —4-year approved engineering degree (or 4-year science degree), 12 years of experience, and passage of a principles and practice of engineering examination.

TEXAS

EIT: —4-year approved engineering degree and passage of a written fundamentals of engineering examination; *or*

—8 years of experience and passage of a written fundamentals of engineering examination; *or*

—4-year engineering technology degree, 6 years of experience, and passage of a written fundamentals of engineering examination.

PE: —4-year approved engineering degree and 4 years of experience; *or*

—8 years of experience and passage of a written or written and oral examination designed to show knowledge approximating that attained through graduation from a 4-year approved engineering program.

LEP: —35 years of age and 12 years experience of which 5 have been in responsible charge.

UTAH

EIT: —4-year approved engineering degree and passage of a written examination on the basics of engineering; *or*

—4 years of experience and passage of a written or written and oral examination on the basics of engineering.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written or written and oral examination; *or*

—8 years of experience and passage of a written or written and oral examination.

E: —Established and recognized standing in the profession, engaged in practice for 12 years (of which 5 have been in responsible charge), and 35 years of age.

VERMONT

EIT: —4-year approved engineering degree and passage of a written fundamentals of engineering examination; *or*

—8 years of experience and passage of a written fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written examination; *or*

—12 years of experience and passage of a written or written and oral examination.

LEP: —20 years of experience (of which 10 have been in responsible charge) and passage of a written or written and oral examination.

VIRGIN ISLANDS

EIT: —4-year approved engineering degree; *or*

—4 years of experience and passage of a fundamentals of engineering examination.

PE: —4-year accredited engineering degree, 2 years of experience, and passage of a fundamentals and a principles and practice of engineering examination; if the applicant was a bona fide resident of the

Virgin Islands prior to undertaking a course of study toward the 4-year accredited engineering degree, no examination will be required; *or*

—8 years of experience and passage of a fundamentals and a principles and practice of engineering examination.

LEP: —12 years of experience and passage of a principles and practice of engineering examination.

VIRGINIA

EIT: —4-year approved engineering degree and passage of a fundamentals of engineering examination; *or*

—4-year engineering degree (or 4-year science degree or 4-year approved engineering technology degree), 2 years of experience, and passage of a fundamentals of engineering examination; *or*

—6 years of experience (part of which is equivalent to a 4-year engineering curriculum) and passage of a fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a fundamentals and a principles and practice of engineering examination; *or*

—4-year engineering degree (or 4-year science degree), 6 years of experience, and passage of a fundamentals and principles and practice of engineering examination; *or*

—10 years of experience (part of which is equivalent to a 4-year engineering curriculum) and passage of a fundamentals and a principles of engineering examination.

LEP: —4-year engineering degree (or 4-year science degree), 20 years of experience (of which 10 years have been in responsible charge), and passage of a principles and practice of engineering examination; *or*

—4-year engineering degree (or 4-year science degree), 30 years of experience (of which 20 years have been in responsible charge), eminent qualification, and passage of a special oral examination.

WASHINGTON

EIT: —4-year approved engineering degree (or 4 years of experience) and passage of a fundamentals of engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written, oral, or written and oral examination; *or*

—4-year approved degree, 6 years of experience, and passage of a written, oral, or written and oral examination; *or*

—8 years of experience and passage of a written, oral, or written and oral examination.

WEST VIRGINIA

EI: —No statutory provision for an EI*

PE: —4-year approved engineering degree, 4 years of experience, and passage of an examination; *or*
—4-year approved science degree, 6 years of experience, and passage of an examination; *or*
—10 years of combined education and experience in engineering (part of which is equivalent to a 4-year approved engineering or science curriculum) and passage of an examination.

WISCONSIN

EIT: —4-year approved engineering degree (or 4 years of experience) and passage of a written or written and oral examination; *or*
—4-year approved degree, 2 years of experience, and passage of a written or written and oral examination.

PE: —4-year approved engineering degree, 4 years of experience, and passage of a written or written and oral examination; *or*
—4-year approved degree, 6 years of experience, and passage of a written or written and oral examination; *or*
—12 years of experience and passage of a written or written and oral examination.

LEP: —12 years of experience and 35 years of age.

WYOMING

EIT: —4-year accredited engineering degree (or 4 years of experience) and passage of a written basic engineering examination.

PE: —4-year approved engineering degree, 4 years of experience, evidence of competence, and passage of a written or written and oral examination. Where the evidence does not appear conclusive, applicant may be required to submit further evidence; *or*
—8 years of experience and passage of a written or written and oral examination designed to show knowledge approximating that attained through graduation from a 4-year approved engineering curriculum.

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*WV Board regulations provide for registration of "Engineer Interns" (EIs). Registration as an EI in WV requires a 4-year approved engineering degree and passage of a fundamentals of engineering examination. Nonengineering graduates must meet the same experience and education requirements as are mandated for PE licensing before they may sit for the fundamentals examination and become registered as an EI. Further, all applicants for licensing as PEs must first meet all requirements for registration as EIs.

National Society of
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